New England
Deaconess
Hospital
Boston, Massachusetts

pulse

VOLUME 26 - NUMBER 3 DECEMBER 1972

We all pray that before long there will be a strange calmness that will embrace the world...

We all pray that before long there will be a strange calmness that will embrace the world... that there will be a cessation of combat, and an end to bombing, and that those who have been involved will truly find "PEACE ON EARTH, GOOD WILL TOWARD MEN."

We pray that many of the desperate and downtrodden will find new hope because of someone's thoughtfulness and that all the people will suddenly melt into a brief oneness as the message is heralded once more: "GLORY TO GOD IN THE HIGHEST, AND ON EARTH, PEACE, GOOD WILL TOWARD MEN."

Something of this calmness is preserved within our hospital, in the deeds of compassion and concern where daily the love and faith in our Creator is born anew in the lives of our patients and of us who serve them.

Now the holiday season is upon us, and we are reminded that another year has passed and that it is time to pause reflectively and ask ourselves how our aspirations have squared with our accomplishments. During the past year our hospital has grown and many changes have consequently taken place. While we wish to achieve so much more, most of us feel that we have made considerable progress in many areas. This could only be accomplished with the help, cooperation, and support of everyone connected with our hospital. For the dedication you have shown in our effort to provide better health care, we are truly grateful.

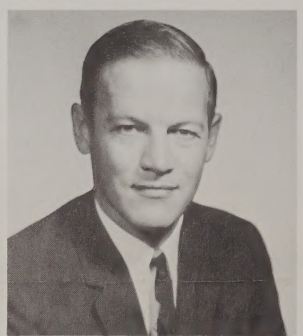
On behalf of administration, I wish you a most joyous holiday season and a fulfilling New Year. "PEACE, GOOD WILL TOWARD MEN."

R. D. LOWRY
Executive Vice President

Corporation officers change at annual meeting

At the November 21 annual meeting of the NEDH Corporation significant changes occurred in the corporation offices. Francis W. Capper retired after eight years as chairman of the NEDH Board of Trustees; Laurens MacLure, president of the corporation since 1964, was elected to succeed Mr. Capper; C. Vincent Vappi, vice president since 1966, was elected president, and Colby Hewitt Jr., was elected a vice president after serving as a trustee for three years. Re-elected to serve in their current offices were: James F. Farr, vice president; Henry S. Rogerson, treasurer; and James T. Mountz, clerk.

A plaque was presented to Mr. Capper by the members of the NEDH Corporation as a token of their appreciation for 41 years of "loyal and valuable service." Mr. Capper was elected a corporation member in 1931, a trustee in 1932, treasurer in 1934, president in 1956 and chairman of the board in 1964.



Mr. C. Vincent Vappi was elected president of the NEDH Corporation at the annual meeting on November 22.

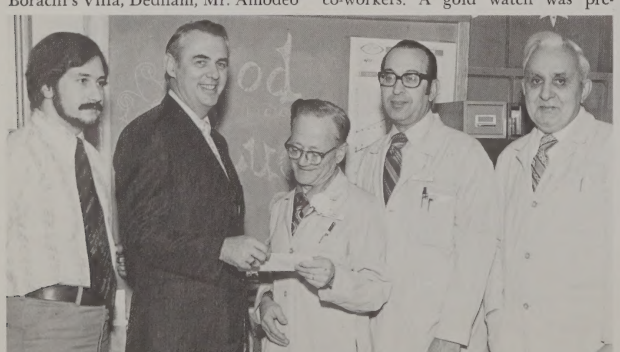
Marvin G. Schorr, Ph.D.; Charles L. Smith Jr., and William B. Tyler were elected members of the executive committee and 12 individuals were elected to the NEDH Corporation. They are: Dr. Robert E. Brownlee, Bishop Edward G. Carroll, Vessarios G. Chigas, Lawrence H. Coburn, G. Neil Harper, Margaret M. Hennig, Ph.D.; Miss Marion L. Metcalf, Mrs. James T. Mountz, Dr. Wilford B. Neptune, David R. Palmer, Kenneth S. Safe Jr., and Dr. Cornelius E. Sedgwick. Elected to the corporation and the board of trustees were: Bishop Edward G. Carroll, Miss Marion L. Metcalf, Dr. Wilford B. Neptune and Dr. Cornelius E. Sedgwick. Four long-term members of the Board of Trustees were elected honorary trustees: Francis W. Capper, Edward Dane, Lawrence H. Hansel and Elliott Henderson.

Mr. Laurens MacLure, out-going president of the NEDH Corporation and newly elected chairman of the board, presents a commemorative plaque to Mr. Francis W. Capper, retiring chairman of the board, at the annual meeting of the NEDH Corporation.

Mr. Amodeo retires after 13 years in pharmacy

Mr. Salvatore Amodeo, pharmacist, was honored at a retirement party, November 28, in the pharmacy conference room. Friends and co-workers greeted him and, Mr. Richard E. Lee, director, and Mr. R. D. Lowry, executive vice president, were both at the party to bid farewell in behalf of the hospital.

At a dinner party, November 21, at Borachi's Villa, Dedham, Mr. Amodeo shared 13 years of memories with his co-workers. A gold watch was presented to him at that time as a joint departmental and hospital gift.



Director Richard E. Lee presents Mr. Salvatore Amodeo, pharmacist, with pensioner information while three of Mr. Amodeo's fellow pharmacists wait to offer their farewell wishes: (l.-r.) Mr. Peter Cataldo, Mr. Philip Pacella, associate manager of pharmacy services; and Mr. Francis Roga.

Born in Boston, Mr. Amodeo moved to Avellino, Italy, with his parents when he was three years old. When he was 15 and had completed his undergraduate education, Mr. Amodeo left Italy and came to Boston where he began working for two cousins who were pharmacists. They owned a drugstore and partially provided the direction for Mr. Amodeo's profession. He graduated in 1940 from the New England College of Pharmacy which has since become the Northeastern University School of Pharmacy.

"I started working in a drugstore when I was 15. Back then everyone worked 12 hours a day, seven days a week and 365 days a year. At Christmas we got off work at 1 p.m. and went back at 4 p.m after dinner," states Mr. Amodeo matter-of-factly.

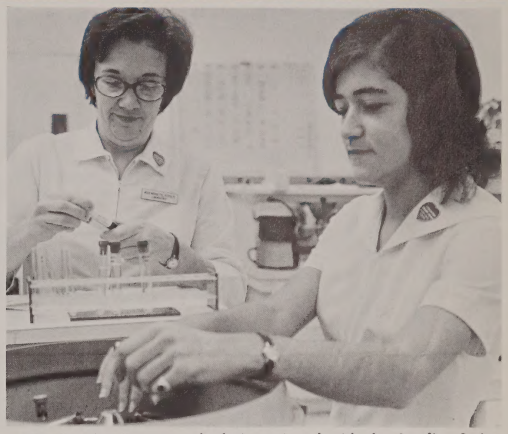
After graduating from the college, Mr. Amodeo spent ten years at Massachusetts General Hospital as a pharmacist and nine years at Mary Hitchcock Hospital, Hanover, N. H., as assistant chief pharmacist. In addition to his full-time position with each of the hospitals, Mr. Amodeo always held a second job in local drugstores. When he, his wife and their three children moved to Arlington, Mass., in 1959, he became a pharmacist at NEDH.

In 1965, Mrs. Amodeo died leaving Mr. Amodeo with the responsibility of raising his nine year old daughter, Elena. He and Elena moved to Brockton to be near a married daughter, Judith, who lives with her husband and three children in Brockton. A son, Daniel, lives in Newton with his wife and two children.

Asked about his retirement plans, Mr. Amodeo explains that he has "always been on the move" and wants to know "what it's like to have free time." He enjoys gardening, has a good group of friends, and plans to travel to California in the winter and to Italy sometime next year.

NEDH blood bank open house introduces employees to community blood donor program

While Executive Vice President R. D. Lowry (r.), has his blood typed by Miss Bernadette Dudinyak, MT(ASCP), the procedure is observed by Mrs. M. Mitsiu (l.), MT(ASCP) BB and blood bank supervisor; Dr. Bradley Copeland, chairman of the department of pathology; and Dr. Randi V. Rosvoll, pathologist in charge of the blood bank.

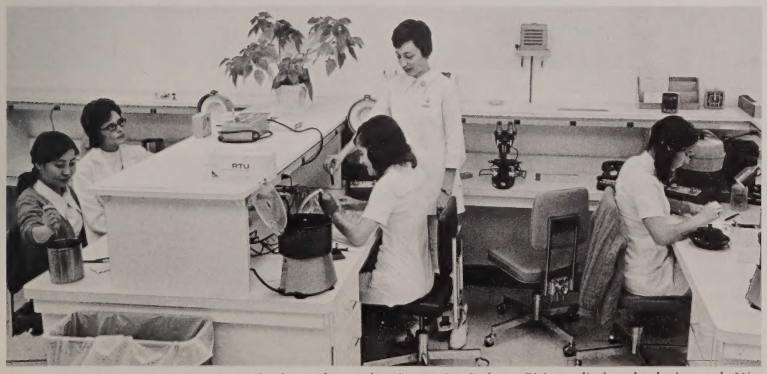


Miss Jeannine Bensette, technologist registered with the Canadian Society of Laboratory Technologists, RT(CSLT), and Miss Dolores Fici, medical technologist, prepare to spin some blood samples in one of the blood bank's centrifuges.

The move of the New England Deaconess Hospital Blood Bank to Deaconess 3 from Palmer 6 in late October, coincided with the beginning of a new community blood donor program. It reflects the hospital's concern to provide blood-coverage insurance for employees and their families. In addition, it is the Deaconess' first step toward fulfilling a national goal of the American Association of Blood Banks to have a 100% volunteer blood donor system by 1975. The NEDH community blood donor program typed blood for its first bulk group of potential donors at the blood bank open house on November 15. An estimated 250 employees attended the open house. They learned about the community donor program and 80 individuals had their blood typed. An employee who joins the NEDH community blood program and donates at least two pints of blood per year will receive coverage for one year for himself and his immediate family — including his grandparents.

When the need for blood becomes evident, the donor calls the NEDH blood bank at extension 2587 and gives the name of the patient and hospital to which the blood coverage should be transferred. Coverage is extended through the American Association of Blood Banks Clearing House to any participating hospital in the United States. Under special circumstances there will be a direct shipment of blood to the hospital.

Miss Eileen Freitag, blood bank secretary, explains the community blood donor program to Miss Judith Sullivan, third-year nursing student; Mrs. Izzy Erskine, Miss Sue Johnson, and Mrs. Peggy Gilboy, purchasing buyers.



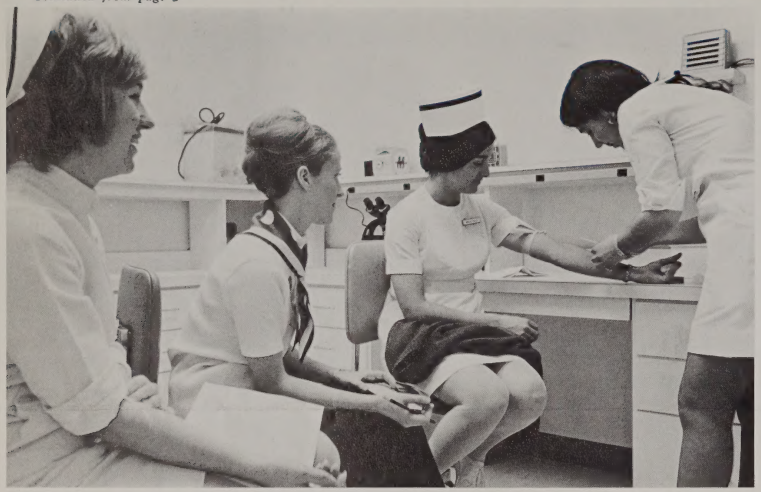
While employees from throughout the hospital toured the blood bank on November 15, the routine of the blood bank continued. In the laboratory, Miss Natalie Czernicki (second left), MT(ASCP) BB, teaches Miss Debby Pun, medical technology student, how to do compatibility testing; Miss Dolores Fici, medical technologist, and Miss Joyce Blank, MT(ASCP), work together, and Miss Candy Yeager, medical technology student, practices compatibility testing.

EMPLOYEES WHO WISH TO JOIN THE COMMUNITY BLOOD DONOR PROGRAM can go to the blood bank to have their blood tested. In the future, a mobile blood-typing clinic will visit various hospital buildings such as the Joslin Clinic, Cancer Research Institute, 110 Francis Street and Shields Warren Radiation Laboratory in an effort to recruit donors. New employees are screened automatically and, if they wish to join the program and are eligible, can go to the blood bank to pick up their registration cards.

Anyone visiting the new Deaconess 3 blood bank is welcomed into a colorful, well-lighted and spacious facility. Its donor waiting and service rooms provide a cheerful atmosphere where donors are cared for by blood bank personnel. In addition, the facility has two laboratories — one for teaching purposes and the other for professional work, a supervisor's room, component room, dispensary and office space. It is easily accessible from any of the patient care buildings. (*Continued on next page*)

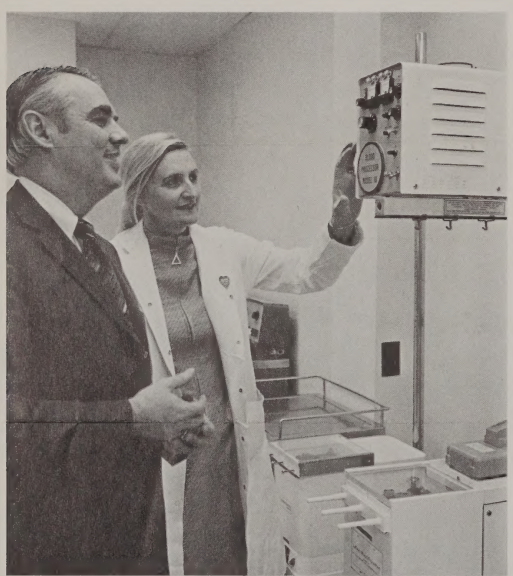
Community blood donor program begins . . .

Continued from page 3

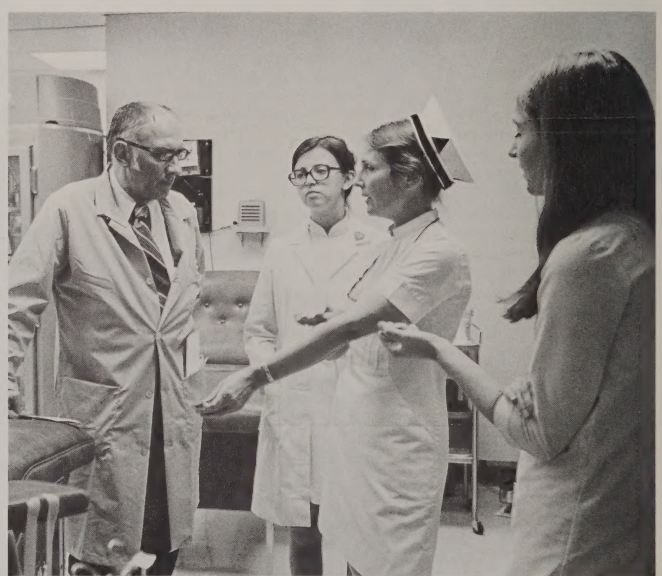


Miss Bernadette Dudinyak, MT(ASCP), prepares to draw blood from Miss Eileen Tully, R.N. and in-service education instructor, while Miss Stella Kosowicz(l.), R.N. and in-service education instructor, applies pressure to her arm after having blood drawn, and Mrs. Carolyn Simmonds, blood bank secretary, explains the community donor program to the nurses.

ITS NEW FACILITY ENABLES THE BLOOD BANK TO EXPAND ITS FROZEN BLOOD PROGRAM. There is room for equipment needed to perform glycerolization and deglycerolization of red cells and for the performance of plasma and platelet phoresis. In addition to storing a certain number "routine bloods" for daily use, the frozen blood program enables the bank to store rare platelets and other special blood components for extended periods of time to care for patients with special transfusion problems. Increasing numbers of patients now receive autologous transfusions — transfusions of their own blood — and the frozen blood program allows for prolonged storage of this blood. Dr. Bradley E. Copeland, chairman of the department of pathology, believes the frozen blood program is the first non-federally subsidized program of its type in a private hospital.



Dr. Randi V. Rosvoll, pathologist in charge of the blood bank, explains some blood processing equipment to Director Richard E. Lee. The installation of this equipment facilitated the implementation of a Deaconess-operated frozen blood center.



Mr. Charles Schraub, chief pharmacist, discusses a technical point with three blood bank employees: Miss Kathy Rosplock, medical technology student; Miss Jane Doherty, R.N., and Miss Karen Sueper, MT(ASCP).

"901 Club" members enjoy biannual social evening

Members of the "901 Club" met for an evening of pleasant relaxation, November 15, at the Colonial Inn, Lynnfield, Mass. After a social hour, they savored a delicious roast beef dinner and exchanged favorite stories.

A very special branch of the hospital family is represented by "901 Club" members — each has worked at NEDH for at least 25 years. Twenty eight "901" members attended the November meeting and welcomed two new employees into their fold: Miss Glenny Jackson, R.N. on Baker 3, and Miss Virginia Hunt, R.N. in the admissions laboratory. In addition, three honorary members took part in the evening's festivities: Mr. Francis W. Capper, recently retired chairman of the NEDH Board of Trustees; Mr. Richard E. Lee, director, and Mr. Sam Marotta, barber.

Dr. Shields Warren, world known pathologist and former scientific director of CRI, showed slides and gave a commentary on volcanic eruptions — particularly the volcanic activity on Hawaii in 1952. He also spoke briefly about the work done by the National Aeronautics and Space Administration's Life Sciences Advisory Committee, of which he is chairman.

Mr. Charles Schraub, manager of pharmacy services and president of the club, conducted a brief business meeting. He commended Miss Marjorie Pond, nursing practice coordinator, for the excellent job she did as secretary of the "901 Club" during the past year. The following slate of officers was then nominated and elected: Dr. William A. Meissner, president, pathologist; Miss Lois Preston, president-elect, associate director of the nursing service department; and Miss Ellen D. Howland, secretary, assistant director of the hospital.

NEDH scientists continue research for specific Hodgkin's disease antigen

Hodgkin's disease research continues to progress at a steady pace since last year's announcement that a tumor-associated or common antigen exists in all patients afflicted with the disease. Through their efforts to determine the specific antigen and its relationship to the cancer, the research team recently narrowed their investigation to three antigens. One or a combination of these antigens may be the key to the understanding and more successful control of this cancer of the lymphatic system.

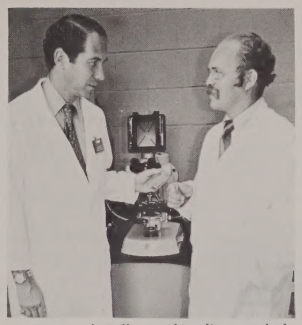
"Hodgkin's disease is a chronic and fatal ailment that can be cured if diagnosed in its early stages. It is more complicated than other cancers because it involves a mixture of cells and we're not sure which are the tumor cells," explains Dr. Stanley Order, radiation therapist at NEDH. Dr. Order is also assistant professor of radiation therapy at Harvard Medical School and one of the principal scientists investigating tumor immunology at the Joint Center for Radiation Therapy (JCRT).

Working closely with Dr. Order in the investigation is Dr. Samuel Hellman, chairman of therapeutic radiology at NEDH, director of JCRT and the Alvin T. and Viola D. Fuller — American Cancer Society Professor and chairman of radiation therapy at Harvard Medical School. Both scientists began studying Hodgkin's disease in 1969, when Dr. Order joined the Deaconess Hospital and JCRT which is housed in the Deaconess' Shields Warren Radiation Laboratory.

According to the investigators, three antigens seem to be associated with Hodgkin's disease. It is thought that two are related to the tumor and have the potential to be utilized against the disease. The two antigens under current investigation are: the fast-migrating antigen and the slow-migrating or S-antigen. Both are identified by immunoelectrophoresis. A peripheral lymphocyte antigen, common to all circulating lymphocytes, has recently been identified.

The fast-migrating antigen displays several characteristics making it of interest to the scientists. First of all, it seems to appear in states of autoimmunity — when the patient reacts to his own tissues. Scientists do not find the antigen in the peripheral circulating lymphocytes but rather see it in the lymphocytes in Hodgkin's tumors. Of 36 Hodgkin's disease tumors tested for the fast-migrating antigen, 35 have been positive for it. It is an oncofetal antigen, appearing in the liver and spleen of the fetus — organs which in early life produce lymphocytes. Researchers also find it in reticulum cell sarcoma — a lymphoma, which is in the same family of diseases as Hodgkin's disease.

The human lymphocyte system is divided into "T" and "B" cells. T-cells are found in the thymus, lymph nodes, spleen and thoracic duct and are involved in cell mediated immunity. Researchers recently found the fast-migrating antigen in lymphocytes of the normal, mature thymus gland which means it is "T" or thymus-cell related. The fast-migrating antigen is related to T-cells. This is also consistent with the sites of involvement where Hodgkin's disease is initiated; for example, where T-cells circulate (lymph nodes, spleen, and thymus).



Dr. Samuel Hellman (l.), director of the Joint Center for Radiation Therapy and chairman of therapeutic radiology at NEDH, and Dr. Stanley Order, therapeutic radiologist at NEDH, examine a slide and discuss progress of their Hodgkin's disease research.

The same T-cell involvement is true for the second antigen under investigation — the S or slow-migrating antigen. This antigen is found in the Hodgkin's disease lymph nodes as well as in the spleen. Its concentration is lower than that of the fast-migrating antigen and, since it has been found in only one of the fetal tissues examined, it is considered to be more primitive. It has been suggested that the slow-moving antigens are repressed but are derepressed by the disease process. This is similar to the carcinoembryonic antigen in colon cancer.

A peripheral-lymphocyte antigen is the third antigen being investigated at the Shields Warren Radiation Laboratory. It is not related to either "T" or "B" cells.

If the previously published hypothesis (*Lancet* — Order and Hellman) is correct that Hodgkin's disease involves the abnormal interaction of lymphocytes, then two potential uses of the related antigen (s) are possible. First of all, they may be used to measure the amount of antigen and determine the activity of the disease in patients with established diagnoses. This would allow appropriate chemo- and radio-therapy earlier in cases of reactivated disease and should increase their potential success.

Secondly, if these are normal lymphocyte antigens related to the process of immunity, then it may be possible to use them clinically to induce immunosuppression in patients scheduled to receive transplants. Finally, tumor-associated antigens may be a key to the investigation into causes and control of reticulum cell sarcoma. This would be particularly exciting if the fast-moving antigen is specifically related.

Hodgkin's disease research is a joint effort between Harvard Medical School's Departments of Radiation Therapy and Pathology. In addition to Doctors Order and Hellman, the research team consists of: Dr. David Katz, assistant professor in pathology at Harvard Medical School; Miss Mary Graves, technician in the Harvard Medical School Department of Pathology, and Professor Baruj Benacerraf, chairman of Harvard Medical School Department of Pathology. It is through the efforts of these people that the antigens have been extracted in a relatively pure form.

Other members of the Hodgkin's disease research team are: Mrs. Elizabeth Thompson and Miss Kathy Harris, technicians; and Mr. Charles Reynolds.

Two articles dealing with recent results of Hodgkin's disease research at the Joint Center were recently published. One article entitled, "Tumor-Associated Antigens in Hodgkin's Disease," was co-authored by Doctors Order and Hellman and appeared in volume 7 of *Frontiers of Radiation Therapy and Oncology*. The other article, "Studies of Antigens Associated With Hodgkin's Disease," appeared in volume 40, number 5 (November, 1972) issue of *Blood*. It was written by Doctors Order, Hellman and Stanley Chism, a former resident at the Joint Center for Radiation Therapy.

Ovarian cancer research is another area being investigated by Deaconess Hospital physicians at the Joint Center for Radiation Therapy. Like the Hodgkin's disease research, the ovarian cancer research is developing some exciting implications. The research centers around the use of an experimental model similar to human ovarian cancer developed by the research team.

"The model allows us to learn the ground rules of serological immunotherapy," explains Dr. Order. "Other scientists have described, in the literature, a clinical ovarian tumor antigen. We're trying to learn how to use the antigen therapeutically to combat the disease process."

Members of the research team have demonstrated that they can produce an antiserum which is effective against the ovarian tumor not only when it is first contracted but also in more advanced disease states. They are investigating the further purification of the tumor antigen so a purified antiserum and purified gamma globulin can be developed.

The research is being directed by Dr. Order and Dr. Robert Knapp, associate professor of gynecology at the Beth Israel Hospital; with the technical assistance of Mrs. Joan Thurston and the efforts of Dr. Valerie Donahue, gynecologist at the Beth Israel Hospital. Other joint research efforts involve: Dr. James Adelstein, head of nuclear medicine at the Peter Bent Brigham Hospital; and Dr. William Bloomer, resident at the Joint Center for Radiation Therapy. They are investigating modes of radio-isotopic tagging of tumor antibodies in both the Hodgkin's and ovarian tumor systems. Mr. James Michaelson, a post-graduate student, is investigating the possibility that the ovarian tumor itself causes immunity in the host.

Progress of the research dealing with Hodgkin's disease and ovarian cancer suggests that in both diseases new modalities may be utilized in their future management. The research path shortens with each day and with each phase of the complex investigation taking place at the Shields Warren Radiation Laboratory.

"When I grow up, I want to be a nurse"

These Norwell High School students try on the three caps worn by nursing students at NEDH. Donna Mesheau, sophomore, and seniors Debbie Dempsey and Kathy Splaine were three of 171 high school students to attend the September 26 open house in Harris Hall. The prospective students were taken on tours of Harris Hall, shown some basic nursing care techniques, treated to ice cream and had an opportunity to visit informally with NEDH nursing students during the afternoon event.

Employees in action . . .

Miss Margaret Burns, R.N. and associate manager of surgical services, and **Mrs. Lois Morrissy,** R.N. and instructor for the department of surgical services, co-authored a book, *An Examination Review Book For Operating Room Technicians,* which will be published in the spring of 1973 by the Medical Examination Publishing Company, Inc., Flushing, N. Y.

* * *

Mrs. M. Mitsiu, MT (ASCP) BB and blood bank supervisor; **Mrs. Theresa Maurer,** MT (ASCP) and assistant supervisor of the blood bank; **Miss Natalie Czernicki,** MT(ASCP)BB; and **Miss Karen Sueper,** MT (ASCP) , presented a program dealing with the NEDH Blood Bank Training Center, December 5, at a meeting of the Massachusetts Association of Blood Banks, Boston.

* * *

Mrs. Lois Morrissy, instructor for the department of surgical services, spoke to the Pre-Med Club at Medford (Mass.) High School, December 19, about respiratory therapy and operating room technician career opportunities.

* * *

Mr. Philip Pacella, associate manager of pharmacy services, presented a lecture on "Pharmacy Systems" December 6, to a Northeastern University class studying hospital information systems.

* * *

Miss Lois Preston, R.N. and associate manager of the nursing service department, and **Miss Constance Donovan,** R.N. and stoma nurse clinician, attended an *Institute on the Clinical Nurse Specialist,* November 28-30, in Chicago, Illinois. The institute was sponsored by the American Nurses Association and the American Hospital Association.

* * *

Mr. Albert Sasson, an electrician in maintenance and engineering department, received his American citizenship on November 28. A native of Greece, he came to the United States six years ago.

* * *

Miss Eileen Tully, R.N. and in-service education instructor, attended a three-day workshop, December 6-8, on "Strategies of Functional Assessment of Medical Rehabilitation," sponsored by Tufts University School of Medicine, Boston.

State auto liability minimums vary

Are your automobile insurance limits sufficient to protect you while driving out of state or in Canada? Since coverage requirements vary, car owners should be prepared for their potential liability in the case of an automobile accident outside of their home state.

The Commonwealth of Massachusetts requires 5/10/5 coverage, effective as of January 1, 1972. This means coverage up to $10,000 for all persons injured in an accident, subject to a limit of $5,000 for one individual and $5,000 coverage for property damage. Commuters from New Hampshire are required to have 20/40/5 coverage by state law. Maine registered car owners must have 20/40/10 coverage and those from Rhode Island must have 10/20/5 coverage; Connecticut owners, 20/40/5 coverage; and New York and Vermont owners, 10/20/5 coverage.

Employees who travel to Canada for vacations should carry with them their insurance policy or a certificate which can be obtained from the individual's insurance company. Stringent Canadian regulations bear down on car owners who have accidents in the country and do not have proof of liability insurance. All provinces require at least a $35,000 inclusive limit.

Holiday safety guidelines help ensure season's joy

The Christmas season is joyful anticipation garnished with the warmth of love. It is a mixture of peace, thanksgiving and excitement. No one wants the cheer of the season to be shattered by an accident. However, the danger of fires, falls and auto accidents increase significantly during the holiday season.

If adhered to, safety guidelines can help ensure the preservation of the season's tranquility. Fire safety is one of the greatest hazards associated with the Christmas season, especially since one of the most beautiful symbols of the season — the evergreen tree — is the cause of most holiday fires.

When selecting your tree, choose the freshest tree available — one that has springy branches and tight, green needles. Leave it outside until the time comes to set it up in your home and cut the tree's base diagonally — about one inch above the regular cut — before putting it in the stand. Check the stand daily to ascertain that ample water is available. By keeping the tree moist you not only help keep the branches from drooping and the needles from showering to the floor, but you help preserve the unique pine aroma.

When choosing the site to set up your tree, avoid blocking room exits and keep it away from fireplaces, candles, radiators and other sources of heat which may cause fire and definitely will quicken the drying-out process. Do not set up electrical toys, such as trains, under the tree, and after unwrapping presents, remember to take the paper and boxes to a covered metal can or an incinerator.

Decorations for your tree and house should be chosen as carefully as your tree. Only non-combustible ornaments should be used. Hang unbreakable baubles on the lower branches so that if a child or pet plays with them, no damage can be done. Use a dampened paper towel to pick up the tiny slivers from any baubles dropped while trimming the tree.

Electric lights should be checked carefully before placing strands on the tree. Look for burned out bulbs, frayed cords, exposed wiring and broken sockets before hanging the lights. If the lights are defective, don't use them and never use candles!

Hang the lights so they rest between branches and don't touch needles, foil icicles, wires, decorations, walls or curtains. The tree light switch should be placed at a distance from the tree. Remember not to overload the circuits. When you leave the house or go to sleep, remember to turn out the tree lights. For outdoor lighting, use only equipment designed specifically for this purpose.

Snow or ice covered walks and stairways are principal causes of falls not only during the holidays but all winter. To help prevent falls, have children pick up their toys after playing with them; remove cartons, packages and other obstructions from walkways; use a sturdy ladder while decorating and, when shopping, make sure you can see over your armload of purchases.

A Merry Christmas often includes merrymaking with extra toasts to good cheer and happiness. This causes the automobile accident rate to climb at an alarming rate. So, if you have to drive on either dry or slippery highways, let the one for the road be a cup of coffee!

Safety takes a little extra time, but it can help prevent a tragedy and can make a Merry Christmas a joyful memory. If you follow these simple holiday safety guidelines, you will help eliminate the possibility of the season's cheer being shattered by an accident.

New England Deaconess Hospital
185 Pilgrim Road
Boston, Massachusetts 02215

pulse

The New England Deaconess Hospital is a 482-bed and 16-building complex. Physicians from the Joslin Diabetes Foundation, Inc., the Lahey Clinic, Overholt Thoracic Clinic and the independent medical and surgical staffs serve their patients. The Deaconess Hospital is internationally known for diagnosis, treatment and research in brain and chest surgery, cancer, diabetes and general medicine.

PULSE is published monthly by the Public Relations Department of the New England Deaconess Hospital.

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COMMUNITY BLOOD DONOR PROGRAM
See article: pages 3 and 4

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